imagine

LCDAVFJ708CA01HQ-WW

BD-P1400

SP-A800B

imagine immaculate images projected and played

Embrace the future of home entertainment with the groundbreaking BD-P1400 & SP-A800B DLP 1080p projector from Samsung. Samsung's innovative use and development of leading, next generation technology ensures that the world's most exceptional visual clarity and sound quality are brought to you, allowing the deepest range of emotions to be embraced, experienced, and enjoyed. Enjoy the best that the 21st century has to offer; premium, precision technology, and an unsurpassed depth of emotion, elegance, and style. Delight your senses, treat yourself to the best.

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Perfect picture quality, 1080p Full HD capability

For your pleasure, Samsung has developed a broad range of state of the art technologies that will take your viewing beyond the boundaries of imagination. Samsung are committed to creating the world's most innovative technologies, and most incredible viewing experience; dedicated to provide you with more pleasure. By utilizing the industry's most advanced 1080p Full HD resolution, the most advanced picture quality generates images so lifelike they feel free of the confines of the screen. Enjoy the most premium home theater experience with 1080p Full HD.

Redefining performance and design: SP-A800B

When excellence is imperative, only the best will do. The SP-A800B Full HD 1080p projector from Samsung delivers the very best in image integrity. Deeper dark and light tones are realized by the 10,000: 1 contrast ratio, generating colors which are accurate and true to nature's vivid palette. With its industry leading 95% aperture ratio, each of the 2 million plus pixels provides you with the most accurate and honest image quality available, ensuring your enjoyment remains perfect and pure.

DLP 1080p Technology

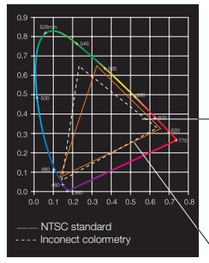
DLP 1080p technology using 6 color processing rather than 3 color RGB processing is able to create more vivid, lifelike images. This expansion of the spectrum allows for the most precise, consistent picture quality available. The all digital DLP chip uses millions of tiny mirrors to reflect light and image onto the screen with ultimate precision and extreme reality.

Conventional

Samsung

Studio color reproduction

Enjoy the most natural, lifelike images imaginable with the SP-A800B from Samsung. By accurately reproducing the colorimetry in which the program material was produced, vivid, intense images are achieved. Pure, distortion free images are delivered by the ability to select color coordination values which accurately represent the specific broadcast format; guaranteeing perfect color reproduction.



Distorted colors

Exact colors

24 Frame True Film Mode

View the movie as the director intended. Movies are shot using 24 frames per second; 24 frame true film mode faithfully reproduces this original source material by mirroring the filmmakers' original format, and provides the ideal platform for home theater viewing. 24 frame true film mode delivers the most completely accurate representation of the filmmakers' intention, making your experience more true to life.

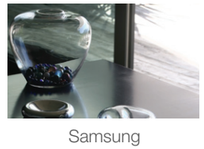
Conventional

Samsung

Dynamic Black (10,000:1)

The phenomenal 10,000:1 contrast ratio is achieved by intuitively altering the backlight brightness, creating more depth and realism to the image. Dark areas the picture are enhanced, as are light areas, raising the standard in image intensity and excellence.

Conventional



Samsung

All the Speed You Need

Faster response times mean faster image reproduction. With a response time of 16 microseconds, the SP-A800B DLP 1080p projector delivers the most precise images ever made available. Seamless, razor-sharp images are generated, making the SP-A800B perfect for viewing sports, movies, and gaming. Stay ahead of the game; enjoy the best in imaging excellence.

Conventional

Samsung

Redefining Design

With a uniquely elegantly ergonomic design which will add contemporary, yet timeless style to any environment, the SP-A800B will compliment your individual taste and lifestyle. Appreciate the deeply luxuriant nature of its soft contours and high-style glossy black finish and be soothed by the gentle glow of the delicate blue lighting.

Low Noise 24dB

Enjoy the silence with the SP-A800B's low operating noise level. Its silence will enhance dramatic moments by creating an environment with zero noise pollution, allowing the most intense viewing environment to be yours to enjoy.

Enjoy the 21st Century in perfect picture and sound : BD-P1400

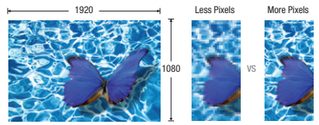
Samsung's innovative excellence and industry leading technology brings you the highest quality images and superlative sound, creating the most powerful home viewing experience ever made available. Providing pure, pristine high definition images and 7.1 channels of high definition sound, BD-P1400 performs beyond theater quality, enabling you to access a deeper range of emotions and the most richly rewarding viewing that you have ever experienced. More power, more passion, more pleasure.

Images of Perfection

Experience the future of entertainment. The clearest, most finely detailed images amplify and enhance reality, so that everything that you see can be viewed in its optimum capacity. Go beyond HD: enter the world of the Samsung BD-P1400.

Full HD 1080p

Digital imaging is made up of pixels. The more pixels the picture has, the clearer the picture becomes. This is true of all digital imaging. More pixels means smaller pixels, smaller pixels create a denser, more detailed image. More detail in the image enables the viewer to feel more comfortable with the picture because the picture is more natural and reflective of reality. Full HD 1080p generates the most vividly realistic images available, offering a comfortable, yet astounding clarity of picture.



Enhanced HDMI 1.3

Deeper colors, displayed at the highest resolution and enhanced audio capabilities provide a richer AV environment for the ultimate in entertainment pleasure. HDMI 1.3 offers a broader bandwidth, providing support for all existing Dolby and DTS compressed audio formats. The faster frame rates of up to 120Hz (1080p), 240Hz (720p/1080i) deliver the highest sound and picture quality available.

1080p/24Hz Video Out

With 1080p/24Hz you can enjoy movies in their original high quality content. The Blu-Ray movie signal is mirrored by the player, unifying the input/output signals and delivering the ultimate movie experience.

Theater Quality Surround Sound

With sound quality that rivals that of the theater experience, you can enjoy the most vivid, rich, and emotional sounds. For a truly breathtaking aural experience, Samsung has developed the BD-P1400, the ultimate home entertainment tool.

Dolby Digital +

Further explorations in sound excellence are made possible by Dolby Digital +. This powerful format is capable of 7.1 channel audio performance, providing a new standard in pure audio resolution. Dolby Digital + offers more quality, more channels, more flexibility, and is fully supported by the BD-P1400, generating an advanced audio environment which will take your breath away.

Dolby True HD

Enjoy 100% pure, picture perfect sound with Dolby True HD. Operating at up to 18 Mbps, the bit rate is identical to the original studio mix, enabling perfect playback. Up to 8 channels of audio are realized, creating a powerful home audio format. Dolby True HD is supported by HDMI 1.3, providing single cable connection and perfect audio quality. Capable of decoding MLP content, True HD decoders offer the optimum audio experience.

DTS-HD

DTS-HD offers highly accurate surround sound. By operating at a higher sampling frequency and bit depth, movies and music become infused with exceptional dynamism and realism. The super high bit rate of 6Mbps enables constant high resolution audio that enhances your HD experience. Capable of delivering 7.1 channels, at 96 kHz/24 bit, DTS-HD creates a surround sound environment that fills every part of the room. Experience the future of sound today.

Samsung Electronics & a video guru create the best quality images

Product Development History with Joe Kane

Model	Design	Launching	Key Features
SP-H700		2003.9	The Samsung SP-H700A Home Theater HD2 DLP Projector has been designed as the most innovative, high-quality image system. The projector accurately reproduces the color fidelity specified for High Definition set in specifications by the Society of Motion Picture and Television Engineers for program production. • first brand of projector to accurately reproduce broadcast color standards • 720p resolution • 2000:1 contrast ratio in theater mode • improved black level for exceptional contrast • whisper-quiet 28dB operation
SP-H800		2004.12	Something exciting is coming to the big screen. The new SAMSUNG SP-H800BE is one of the first brand of DLP projectors that can rival the natural colors and distortion-free images of a CRT, accurately reproducing NTSC and ATSC broadcast standard colors. It will operate at a whisper-quiet 28dB which will not interfere with your listening pleasure. • first brand of projector to accurately reproduce broadcast color standards • 720p resolution • 3800:1 contrast ratio in theater mode • improved black level for exceptional contrast • whisper-quiet 28dB operation
SP-H710		2005.9	The new SAMSUNG SP-H710AE will provide you and your family the biggest movie experience you have ever had in your home. colors and distortion-free images that rival CRT imagery will amaze you and once your friends and relatives get a glimpse, you may never watch another movie alone. • first brand of projector to accurately reproduce broadcast color standards • 720p resolution • 2800:1 contrast ratio in theater mode • improved black level for exceptional contrast • whisper-quiet 28dB operation

About Joe Kane and Joe Kane Productions

A guru in the HD industry, Joe Kane is one of this country's leading HD experts, designers and consultants. Mr. Kane specializes in the sciences of electronic imaging and accurately reproducing video signals on display devices. Those efforts have been the focus of his company, Joe Kane Productions, since its founding in 1982. Mr. Kane joined and later became chair of the Society of Motion Picture and Television Engineers (SMPTE) Working Group on Professional & Studio Monitors. He has produced several groundbreaking programs, including A Video Standard, two versions of Video Essentials and multiple versions of Digital Video Essentials. He's currently working and lecturing in HDTV program production, digital compression of video for high quality distribution, and HDTV displays that conform to ITU and SMPTE specifications.

In collaboration with Joe Kane the world's best video guru,
Samsung Electronics boasts "accurate and superior picture quality"

▲ Joe Kane

Samsung Electronics is scheduled to unveil a full HD projector (1080p) displaying as accurate colors as theater and a next generation DVD player (Blu-ray) displaying true-to life images in cooperation with Joe Kane, CEO of Joe Kane Productions.

Kane, a world-renowned video calibration expert who participated in setting the color standards for movies and broadcastings is highly influential in the global display device industry. TV and other display devices which fail to follow the color standards display colors which are different from original ones. Teaming up with Joe Kane, therefore, guarantees accurate colors and high picture quality for display devices.

Kane has participated in projector development as video display device consultant for Samsung Electronics since 2003 and is currently giving a final touch to 'A800B', a full HD projector (1080p) for home theater. 'A800B' will make its debut at IFA, a digital device exhibition to be held in Germany at the end of this month.

During his visit to Korea from 3rd to 5th, Kane explained in an exclusive interview the reason for his collaboration with Samsung Electronics. "Samsung Electronics can produce high quality and popular products and among those world class companies which asked me cooperation, Samsung Electronics was the only one to accept all the complex conditions I demanded", he said.

He said that display devices of many consumer electronics companies fail to display accurate colors and evaluated A800B as a good example of displaying as accurate color fidelity as a movie that had been never seen before on TV.

He added that in order to promote the superiority of the model, he would demonstrate the product at IFA later this month and at CEDIA, a consumer electronics exhibition to be held in the U.S. in September.

A800B, due to hit the Korean market next month, is the world's first full HD projector which can beam HD images to a100 inch screen at home.

Samsung Electronics said "A800B is a premium product but the price will be set at about 5 million won to make it affordable for many." "Korean customers could enjoy 100 inch full HD images at a stunningly low price tag which is unimaginable for LDC and PDP TVs", emphasized the company.

Kane is now participating in the development of next generation DVD players, one of the premium video products.

"To enjoy quality images, the video device must display accurate colors", said Kane "To this end, we developed next generation DVD players such as B1400' and 'B2400', Blu-ray players and UP5000 which can play both Blu-ray and HD DVD, two basic standards for next generation DVD", he added.

After being unveiled at IFA in Germany later this month, the models will sell from 5,000,000 to 1,500,000 won in Korea from the third quarter.

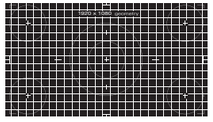
Samsung Electronics stressed that it would extend collaboration with Kane to the development of high quality LCD and PDP TVs to gain the upper hand in dominating the potentially lucrative home theater market

Incomparable Connectivity and Comfort: SP-A800B and BD-P1400

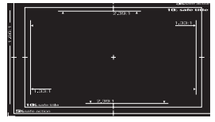
Interface with Ease

Easy Installation and Set Up

No matter where you choose to place it, the SP-A800B performs perfectly, providing the perfect picture with the minimum of effort. Set up patterns are built-in, ensuring images are perfectly placed, whilst lens shift and install position shift maintain that perfect picture. Color temperature, contrast, and brightness adjustment ensure that the picture you see is perfect for you.



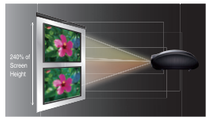
Crosshatch pattern



Picture size pattern

Set Up Pattern

With built-in test patterns you can be sure that you will always see the perfect picture. Crosshatch pattern enables focussing and alignment; Picture size pattern controls aspect ratio, overscan, and action/life area.



Lens Shift

Install Position Shift

Easy Installation

Optimize your view with Lens Shift and Install Position Shift. Lens Shift allows you to optimize the vertical location of the image on the screen; Install Position Shift ensures that whether on the wall, floor, or ceiling, images are perfectly displayed.

User Setting

User Setting

Powerful brightness, contrast, and color temperature adjustment options ensure that the picture you see is exactly how you want to see it; perfect at all times.

Opening Up Your Options

Anynet +

With a full range of connection options, you can be sure that your digital world is fully integrated. For your convenience the SP-A800B has 2 HDMI, 2 Component, S-video, Composite, PC (D-sub 15 pin), and RS-232C inputs, making connecting to your entertainment and lifestyle complete.

Easy Upgrade Ethernet

No matter where you choose to place it, the SP-A800B performs perfectly, providing the perfect picture with the minimum of effort. Set up patterns are built-in, ensuring images are perfectly placed, whilst lens shift and install position shift maintain that perfect picture. Color temperature, contrast, and brightness adjustment ensure that the picture you see is perfect for you.

Specification

SP-A800B

Model			Specifications
Display device			DMD 1 Panel, New 1920 x1080
Screen Format			16:9
System	NTSC		O
	AV-NTSC(VIT)		O
	PAL/SECAM		O
Power	Supply		100V~240V
	Picture On		Toggle Switch
Picture	Brightness (Marketing value)		1000 ANSI lumens
	Contrast Ratio (Marketing value)		10,000:1 (Full on/off)
	Lamp Type		300W
	Lamp Life Time		2000 Hours
	Dynamic Black		O
	Reference Color Temp.		6500K
	Color Temp. Variation		5500K/6500K/8000K/9300K
	Resolution		1920 x 1080
	Scan System		Progressive (1080p)
	3D Y/C Comb		O
	Digital N/R		O
	3 to 2 Pull Down		O
Functions	PC Input		Multi Mode
	Blue Screen		O
	Multi Language		English/German/Spanish Dutch/French/Italian Portuguese/Chinese/Sweden Korean
	DTV Ready		Input: 1080p/1080i/720p 576p/576i/480p/480i
	Multi Format		Full/Zoom1/Zoom2 Wide Fit/4:3
	Picture Mode		7 (Dynamic/Standard Movie1~2/User1~3)
	LED Lamp Off		O
	Lens Focus		Manual
	Lens Shift		Manual
	Zoom Lens		Manual
	Throw Ratio		1.72~2.24
	Lens Option		X
	Image Size (inches)		40" to 300"
	H-Sync Range		15.0 - 80.0kHz
	V-Sync Range		48 - 100Hz
	Fan Noise		24dBA-Theater mode 30dBA-Bright mode
Remote	Type		TM-90
Terminal	Rear Input	HDMI	2 Each
		Composite In	1 Each
		S-Video	1 Each
		Component 1	1EA (1080p/1080i/720p 576p/576i/480p/480i)
		Component 2	1EA (1080p/1080i/720p 576p/576i/480p/480i)
		PC (D-sub 15 Pin)	1 Each
		RS-232C (S/W	1 Each
		Upgrade+Function control)	

BD-P1400

●: Standard

Model	Specifications
Playable Media	
	BD-ROM (Movie), BD-RE, BD-R
	DVD-ROM, DVD, RAM
	DVD-R (V Mode Only)
	DVD-RW (V/VR Mode), DVD+R
	(V Mode Only), DVD + RW (V Mode Only)
	Audio CD, CD-R, CD-RW
Decoding Format	
	VC-1, MPEG2, H.264, MP3
Video	
DAC	12bit/216 Mhz, HQV
Output Resolution (HDMI/Component)	1920 x 1080P (HDMI Only)
	1920 x 1080I, 1280 x 720P
	720 x 480P, 720 x 480I (Component Only)
Audio	
DAC	24BIT/192KHz
Dolby Digital Recorder	DVD, BD
DTS Decoder	DVD, BD
Dolby Digital Plus Decoder	●
Connectivity - OutPut	
Composite	1 Each
S-Video	1 Each
YPbPr	1 Set (480i/480P/720P/1080I)
HDMI	1 Each (480P/720P/1080I/1080P
	Audio 2 Channel or 5.1 Channel Bitstream)
Anynet+ (HDMI-CEC)	●
Optical	1 Each
Coaxial	1 Each
Stereo (L/R)	1 Set
5.1 Channel Audio Out	1 Set
Connectivity - Network	
Ethernet	●
S/W	
POP Up Menu	●
Always On Menu	●
Advanced Scene Search	●
Subtitle Color Variation	●
High Definition Bitmap Subtitle	●
High Definition Text Subtitle	●
Etc.	
Macrovision 7.0	●
Closed Caption	●
BD-JAVA	●
Power	
Power Supply	AC 120V 60Hz
Power Consumption	45W
Standby Power	1W
Physical Specification	
Dimensions (WxHxD mm)	Net - 430 x 79 x 325mm
	Package - 514 x 178 x 430mm
Weight	Net - 4.2kg
	Package - 6.3kg
Loading Q\uantity	20ft - 765,
	40ft - 1597

Design and specifications are subject to change without notice.